

FEATURES:

- Fully confirms IS 2189: 1988
- Rugged CRCA with powder coated finish.
- Operates on 230V, A.C supply.
- Battery backup with built in charging.
- Error free fire / fault status in unambiguous coloured LED Indication.
- 20 X 4 LCD Dot Matrix display.
- Low battery / warning audio/ visual display.
- Battery fail warning audio
- Charger on indication.
- A.C fail audio / visual warning.
- Relay output for actuators.
- Up to 256 Zones(Panel Availability for 64/128/256).
- RS485 for repeater/slave communication Shielded or twisted wire (CAT5E or CAT6).
- Slave panel Compatible only with RE 2554/RE2558 .
- Slave Isolation facility.
- Events Memory with RTC.
- RS 232 facility.
- Ethernet Module (RJ45) Facility. (Optional)
- Dimension of the panel : 350 x 300 x 100 mm(l x h x d)

RE - Master



TECHNICAL DATA

1. Power Supply:

AC Input Supply	:	230 V AC, 50Hz
DC Input Supply	:	24 V DC
 2. Operating Conditions

Operating Voltage	:	-10 to 45 °C, 95 % RH Max.
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 3. Operating Voltage

Charging Current	:	24 V DC
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 4. Colour of the Panel

Colour of the Panel	:	27.4 VDC.
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 5. Colour of the Panel

Colour of the Panel	:	Broken White (Red, Red Texture - Optional)
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- 2. SOUNDER OUTPUT:**
Standard Common Output : 2Amps .
- 3. REMOTE INDICATION OUTPUTS:**
Outputs : Fire Relay Contacts (2No's of 230 V 2A contact).
Fault Relay Output (1 No. of 230 V 2A contact)

TERMINAL DETAIL

RS 485 O/P	A	B	-	+	-	+	NC	NO	CO	NC	NO	CO	-	+	P	N	E	
24 V D . C	D	C			24 V Sounder	+	Comm.	Fault	Relay	Fire Relay 2		Fire Relay 1	D . C		24 V	24 V	A . C	

ANALOG ADDRESSABLE FIRE ALARM PANEL

Avani
By Ravel

FEATURES

- As per UL 864, 9th Edition & NFPA 72.
- 32 bit processor - Arm Cortex M3.
- Operates on 120 to 220V AC, 60 / 50 Hz.
- Battery Backup 24V DC with Built in charger.
- 40 x 4 Characters LCD display.
- Touch key pad for user friendly operation.
- Maximum 4 number of loop cards with Class A or B wiring.
- Maximum 198 devices (99 Detectors + 99 Modules) per loop.
- Upto 192 Grouping Facility.
- Auto Learning facility.
- Device / Detector wise Configuration facility.
- Auto device type verification.
- Programmable Detector sensitivity.
- 2000 Event storage with Real Time Clock.
- Day / Night Mode Facility.
- USB 2.0 Interface for PC connectivity.
- RS 485 Communication facility for Network / Repeater.
- Auto dialer / GSM Module (Optional).
- Ethernet Module (Optional).
- Printer Interface Module (Optional).
- Programmable Auto Silence Facility.
- Programmable Trouble Reminder Facility.
- Programmable AC Loss Delay.
- Programmable Silence Inhibit.
- Loop wise test facility.
- Battery low visual warning with audible tone.
- Three Programmable Form C relay for Fire, Fault and supervisory.
- Supervised 24V DC output.
- Two nos. of Supervised Notification Appliance Circuits.



SPECIFICATION

Primary Power

120 / 220VAC + 10% -15%, 60 / 50 Hz.

Standby Power

24V D.C (2 Nos of 12v, 14Ah) Sealed Lead acid battery

Operating Condition

Operating Temperature 0 - 49° C/32-120° F.

Relative Humidity 93 ± 2% RH (non-condensing) at 32 ±2° C/96 ±3° F.

Charging Circuit

Charging Voltage 28 V, ±0.2V Nominal

Charging Current 1.2A (Max.).

Signaling Line Circuits

Class A or B loop card: 4 Nos. Maximum.

No of Device per loop: 198 (99 Detectors + 99 Modules System Sensor).

Multi protocol devices per loop : 254.

Loop resistance: 40 ohms (Max.).

Loop capacitance: 0.6 µf (Max.).

Loop Current: 300mA (Max.).

Initiating Device Circuits

One conventional zone Class B Style B/C operation.

Normal Operating Voltage: 14 - 21 VDC.

Alarm Current: 15 - 30mA.

Short Circuit Current: 45mA Maximum.

Loop resistance: 100 ohms Maximum.

End-Of-Line Resistor: 4K7, 1/2watt

Standby Current: 7mA (2mA for Detectors)

Programmable Input Circuits

No. of Inputs: 1

Normal Operating Voltage: 4 - 8 VDC.

Short Circuit Current: 3mA Maximum.

Loop resistance: 100 ohms Maximum.

End-Of-Line Resistor: 4K7, 1/2watt

Standby Current: 1.25mA

Notification Appliance Circuits

Class B, Style - Y wiring

Operating Nominal Voltage: 24 VDC Nominal

Current for NACs: 2Amps (1A per circuit)

Line Drop: 2.4V

End-Of-Line Resistor: 4K7, ½ watt

D.C. Output

Supervised 24VDC, 300mA Max.

Three Programmable Form C Relays

Relay Contact Rating: 2Amps @ 30 VDC, 2Amps @ 30VAC.

Power Factor: 0.6

Avani
By  Ravel



ANALOG ADDRESSABLE **FIRE ALARM REPEATER PANEL**

Avani - RP
By  Ravel



FEATURES

- As per UL 864, 9th Edition & NFPA 72.
 - Operates on 120 to 220V AC, 60 / 50 Hz.
 - Battery Backup 24V DC with Built in charger.
 - 32 bit processor - Arm Cortex M3.
 - 40 X 4 Characters LCD display.
 - Touch key pad for user friendly operation.
 - Remote silence, reset and evacuate can be done from repeater panel.
 - Repeats all the indication / Information of main panel.
 - All programming of the main panel can be done from the Repeater Panel.
 - RS 485 Communication for Standalone / Network Repeater.
 - 10,000 Event storage with Real Time Clock.
 - Battery low visual warning with audible tone.
 - One Supervised Notification Appliance Circuits.
 - One Form C relay for Common Fire.

CONVENTIONAL PANEL WITH ADDRESSABLE FEATURES

**FEATURES**

- ◎ As per NFPA-72 standards.
- ◎ Rugged CRCA sheet with powder coated finish.
- ◎ Network able / Standalone panel.
- ◎ 4/8 Class B conventional initiating device circuit (IDC).
 - All zones accept smoke detectors and any normally open contact device.
 - Any Zone can be configured as Alarm or supervisory Zone.
- ◎ Class B Notification Appliance Circuits (NAC).
- ◎ Operates on 220v 50Hz, AC Mains power supply
- ◎ Standby (battery) backup 24v DC power supply with built in charger.
- ◎ All field wiring circuits are supervised.
- ◎ AC Low voltage cutoff.
- ◎ Programmable NAC.
- ◎ Programmable IDCs.
- ◎ Programmable AC loss delay.
- ◎ Programmable Trouble reminder.
- ◎ Programmable Form -C relay for fire / Fault / Supervisory.
- ◎ 2 Form-C relay for Fire.
- ◎ Alarm Verification Facility. **
- ◎ 1000 history events with RTC.
- ◎ Error free Fire / Fault status in unambiguous colored LED indication.
- ◎ Main, Standby status audible and visual indication.
- ◎ Battery Low visual warning with audible tone.
- ◎ Zone Isolation Facility.
- ◎ Peer to Peer networking facility (upto 16 panels) .
- ◎ Ground fault annunciation facility at 0 ohms.
- ◎ All field wiring circuits are Power limited except 220v A.C. and Battery.
- ◎ Advanced features for the System Sensor series 300 detectors.
 - ★ 32 Detectors per Zone.
 - ★ Active Scan Devices facility.
 - ★ Individual detector address with location.

**** - This facility is available only in system sensor 300 series protocol disable condition.**

Primary Power

220VAC ± 10%, 50 Hz, 2.5Amps.

Standby Power

24v D.C (2 Nos of 12v, 12Ah Sealed Lead acid battery).

Operating Condition

Operating Temperature 15 - 35° C/60-95° F.

Relative Humidity 93 ± 2% RH (non-condensing) at 32 ±2° C/90 ±3° F.

Charging Circuit

Charging Voltage 28.4V, ±0.2V

Charging Current 800mA (Max.).

Initiating Device Circuits

All zones are Class B Style C operation.

Normal Operating Voltage: 14 - 20 VDC.

Alarm Current: 15 - 30mA.

Short Circuit Current: 40mA Maximum.

Loop resistance: 40 ohms Maximum.

End-Of-Line Resistor: 4K7, 1/2watt

Standby Current: 6mA (2mA for Detectors)

Notification Appliance Circuits

Class B Style - Y wiring

Operating Nominal Voltage: 24VDC Special Application

Current for NACs: 1Amps

Line Drop: 1.8V

End-Of-Line Resistor: 4K7, 1/2watt

Resettable D.C. Power

Operating Voltage: Supervised 24VDC regulated, 300mA Max. (for 4 wire smoke detector)

Common Three Form C Relays

Relay Contact Rating: 2Amps @ 30 VDC, 2Amps @ 30VAC.

Power Factor: 0.6

Ordering Information

RE 1504 W/R - 4 IDC

RE 1508 W/R - 8 IDC

W- White Colour; R - Red Colour.

Dimension of panel : 425 X 350 X 110mm (Width x Height X Depth)

Ravel Electronics Pvt. Ltd.

150A, Electronic Industrial Estate, Perungudi, Chennai - 96. India.

Ph.: +91-44-2496 1004 / 0825. Fax: +91-44-4204 9599

Mail: marketing@ravelfirepanels.com URL: www.ravelfirepanels.com





SIGNALING



LISTED

FEATURES

- Fully complies with UL -864 and NFPA-72.
- Rugged CRCA sheet with powder coated finish.
- Operates on 120 - 220v 50 /60 Hz, AC Mains power supply.
- 16x2 Dot Matrix LCD Display.
- 4/8 Class B initiating device circuit (IDC).
 - ❖ All zones accept smoke detectors and any normally open contact device.
 - ❖ Any Zone can be configured as Alarm or supervisory Zone.
- 2 Class B Notification Appliance Circuits (NAC).
- Standby (battery) backup 24v DC power supply with built in charger
- Error free Fire / Fault status in unambiguous colored LED indication.
- System ON indication.
- Main, Standby status audible and visual indication.
- Battery Low visual warning with audible tone.
- FormC relays for fire, fault and supervisory.
- Resettable / uninterrupted 24v D.C. Output.
- RS 485 Communication facility (Optional).
- Lamp Test facility.
- Walk Test facility.
- Zone Isolation facility with loop voltage cut off.
- Earth fault annunciation facility at 0 ohms.
- All field wiring circuits are Power limited except 120 - 220v AC and Battery.
- All field wiring circuits are supervised.
- AC Low voltage cutoff.
- Programmable NAC's.
- Programmable IDC's.
- Programmable Supervisory Mode.
- Programmable AC loss delay.
- Alarm verification facility.
- Programmable Trouble reminder facility.

SPECIFICATION**Primary Power CN1 (RE-SMPS-4A-R1)**

120 - 220VAC ± 10%, 50 Hz, 2.5Amps.

Standby Power CN10

24v D.C (2 Nos of 12v, 12Ah Sealed Lead acid battery).

Operating Condition

Operating Temperature 0 - 49° C/32-120° F.

Relative Humidity 93 ± 2% RH (non-condensing) at 32 ±2° C/90 ±3° F.

Charging Circuit

Charging Voltage 28.2V, ±0.5V

Charging Current 800mA (Max.).

Initiating Device Circuits CN 8

All zones are Class B Style B/C operation (Programmable).

Normal Operating Voltage: 14 - 21 VDC.

Alarm Current: 15 - 30mA.

Short Circuit Current: 45mA Maximum.

Loop resistance: 100 ohms Maximum.

End-Of-Line Resistor: 3K9, 1/2watt

Standby Current: 7mA (2mA for Detectors)

Notification Appliance Circuits CN5 and CN6

Class B Style - Y wiring

Operating Nominal Voltage: 24VDC Special Application

Current for all NACs: 1.2Amps (0.6A per circuit)

Current Limit: CN5 and CN6 via Thermal Fuse

Line Drop: 1.8V

End-Of-Line Resistor: 3K9, 1/2watt

Note:

For compatible devices refer Chapter 9(CD 01).

D.C. Power CN7

Operating Voltage: Supervised 24VDC regulated, 300mA Max. (for 4 wire smoke detector)

Common Three Form C Relays CN2, CN3, CN4

Relay Contact Rating: 2Amps @ 30 VDC, 2Amps @ 30VAC.

Power Factor: 0.6

Dimension of the Panel : 440 x 340 x 120 mm (length x height x width)

FEATURES:

RE 102

- ☞ Rugged CRCA sheet with powder coated finish.
- ☞ Operates on 220v, 50Hz AC supply.
- ☞ Standby battery back up with built in charging.
- ☞ Fire / Fault status in unambiguous colored LED indication.
- ☞ Switch Mode Power Supply.
- ☞ Tactile key pad for easy panel operation.
- ☞ System on indication.
- ☞ Main, Standby status indication.
- ☞ Low Battery visual warning with audible tone.
- ☞ Relay output for actuators for Fire and Fault.
- ☞ Lamp Test facility.
- ☞ Zone wise one man Walk Test facility.
- ☞ Zone wise Isolation facility with loop voltage cut off.
- ☞ Compatible to all types of conventional detectors.



TECHNICAL DATA

1. Power Supply:
 AC Input Supply : 220 V AC, 50Hz
 DC Input Supply : 24 V DC
2. Operating Conditions : -10 to 45 °C, 95 % RH Max.
3. Operating Voltage : 24 V DC
4. Normal Loop Voltage : 20.7 DC
5. Open Threshold Current : 4.2 mA
6. Short Circuit Threshold Current : 40 mA
7. Stand by Threshold Current (EOL Current + detector's Current) : 8.2 mA
8. Alarm Current : 20 - 35 mA
9. Quiescent Current : 60mA
10. Colour of the Panel : Broken White (Red, Red Texture - Optional)
11. Panel Size : 350 X 250 X 100(Width X Height X Depth)
12. Approximate Weight : 4Kgs.
13. **ALARM OUTPUT:**
 Common Hooter Output : 24V@1A.
14. **REMOTE OUTPUTS:**
 Outputs : Fire, Fault Relay Contacts (30V AC/ DC @ 2A contact).

FEATURES:

- ☞ Rugged CRCA sheet with powder coated finish.
- ☞ Operates on 220v, 50Hz AC supply.
- ☞ Standby battery back up with built in charging.
- ☞ Fire / Fault status in unambiguous colored LED indication.
- ☞ Switch Mode Power Supply.
- ☞ Tactile key pad for easy panel operation.
- ☞ System on indication.
- ☞ Main, Standby status indication.
- ☞ Low Battery visual warning with audible tone.
- ☞ Relay output for actuators for Fire and Fault.
- ☞ Lamp Test facility.
- ☞ Zone wise one man Walk Test facility.
- ☞ Zone wise Isolation facility with loop voltage cut off.
- ☞ Compatible to all types of conventional detectors.

RE 104



TECHNICAL DATA

1. Power Supply:
 AC Input Supply : 220 V AC, 50Hz
 DC Input Supply : 24 V DC
2. Operating Conditions : -10 to 45 °C, 95 % RH Max.
3. Operating Voltage : 24 V DC
4. Normal Loop Voltage : 20.7 DC
5. Open Threshold Current : 4.2 mA
6. Short Circuit Threshold Current : 40 mA
7. Stand by Threshold Current (EOL Current + detector's Current) : 8.2 mA
8. Alarm Current : 20 - 35 mA
9. Quiescent Current : 60mA
10. Colour of the Panel : Broken White (Red, Red Texture - Optional)
11. Panel Size : 350 X 250 X 100(Width X Height X Depth)
12. Approximate Weight : 4Kgs.
13. **ALARM OUTPUT:**
 Common Hooter Output : 24V@1A.
14. **REMOTE OUTPUTS:**
 Outputs : Fire, Fault Relay Contacts (30V AC/ DC @ 2A contact).

FEATURES:

- Rugged CRCA sheet with powder coated finish.
- Operates on 220V, A.C supply
- Battery backup with built in charging.
- 16 X 2 LCD Dot Matrix Display.
- Evacuate and Key pad Enable, Disable Facility.
- Low battery visual warning with audible tone.
- 2 Form C Relay output for fire.
- One Programmable relay for fire/fault/solenoid on /timer on.
- Remote fire indication with Audible Tone.
- Compatible to all types of conventional detectors.
- Zone Disable (Isolation) facility with loop voltage cut off.
- Resettable 24v DC output for 4 wire detectors .
- Three 24V Hooter Output (Fire, after Cross zone, after gas release) .
- Two mode operation facility (Auto / Manual).
- Programmable FAP input selection Facility.
- Programmable Solenoid Output with On and OFF Timer.
- Main / Standby Cylinder output Facility .
- Gas Inhibition and Instant release facility.
- Manual Gas Release with or without timer.
- Actuator pressure low sensing facility.

RE - 120GR



Power

220 VAC ± 10%, 50 Hz.

Wire size: 1.5 Sq. mm with 600V insulation

Battery (Lead Acid only)

Charging Voltage : 27.9 VDC.

Charging Capacity : 7 Amp Hour Battery Max.

System Quiescent Current: 80mA + (2.4mA for Detector s)

Initiating Device Circuits (Zone Circuit)

All zones are Class B wiring

Normal Operating Voltage : Nominal 24 VDC

Alarm Current : 15 - 35mA threshold

Short Circuit Current : 40mA Maximum

Loop resistance : 50 ohms Maximum

End-Of-Line Resistor : 4.7K, 1/4watt

Standby Current : 6.8mA (2.4mA for Detectors)

Remote Outputs

Fire Contact (C, NO, NC) : 220v AC/30v DC@ 1A

Fault Contact (C, NO, NC) : 220v AC/30v DC@ 1A

Timer Contact (C, NO, NC) : 220v AC/30v DC@ 1A

24 VDC Power For remote devices

Operating Voltage: 24VDC, 500mA Max.

RS 24 VDC Power For Four Wire devices

Operating Voltage: 24VDC, 500mA Max.

Dimension of the panel :

400 x 300 x 100 mm (length x height x width)

Notification Appliance Circuits (Sounder/Hooter Circuit)

Operating Nominal Voltage: 24 VDC

Hooter (NACs) output : 0.5A (Each)

End-Of-Line Resistor : 4.7K, 1/4watt

Solenoid Relay Output Circuits

Operating Nominal Voltage : 24 VDC

Solenoid output : 0.75A (Each)

2No's of Hooter (NACs) output : 0.3A (Each)

End-Of-Line Resistor: 4.7K, 1/4watt (for Solenoid Output)

FEATURES:

- Fully confirms IS 2189: 1988
- 16SWG Rugged CRCA with powder coated finish.
- Modular construction.
- Operates on 230V, A.C supply.
- Battery backup with built in charging.
- 16x2 LCD Dot matrix Display.
- Fire / Fault status in unambiguous coloured LED indication.
- Low battery / battery fail warning audio / visual indication.
- A.C fail audio / visual warning.
- Charger fail audio / visual warning
- System on, AC on, Battery on & Charger on indications
- Potential Free Relay Contacts for actuators.
- Lamp test facility.
- One man walk test facility.
- Compatible to all types of conventional detectors.
- Twin RED LED indication for fire.
- Zone Isolation facility with loop voltage cut off.
- Earth Fault with Audio and Visual Indications.
- Supervised Sounder 24v DC output for External notification devices (Sounder, Bell, etc.).

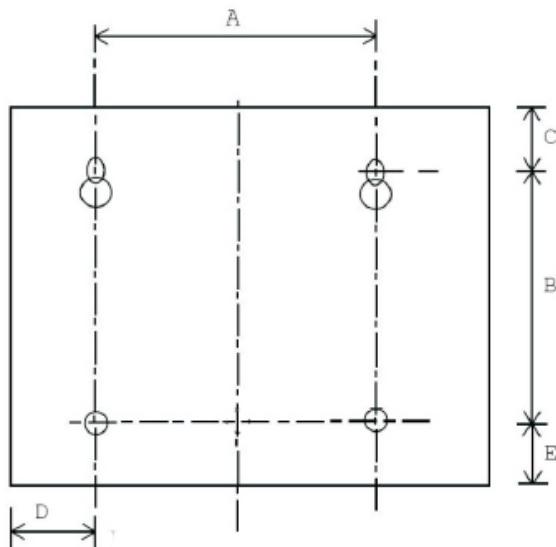
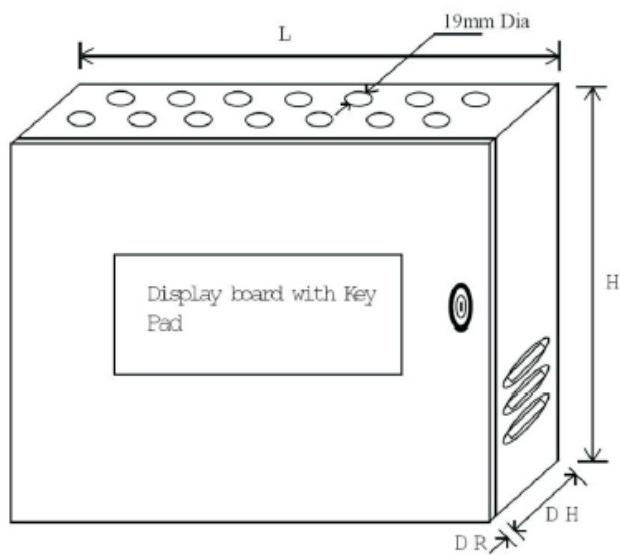
RE - 150D



TECHNICAL DATA

1. Power Supply:	
AC Input Supply	: 230 V AC, 50Hz
DC Input Supply	: 24 V DC
2. Operating Conditions	: -10 to 45 °C, 95 % RH Max.
3. Operating Voltage	: 24 V DC
4. Normal Loop Voltage	: 20.7 DC
5. Open Threshold Current	: 4.2 mA
6. Short Circuit Threshold Current	: 40 mA
7. Stand by Threshold Current (EOL Current + detector's Current)	: 8.2 mA
8. Alarm Current	: 20 - 35 mA
9. Quiescent Current	: 50mA Plus 4.2mA per Zone
10. Colour of the Panel	: Semains Gray (Red, Red Texture - Optional)
11. <u>ALARM OUTPUT:</u>	
Standard Common Output	: 0.2A per Zone.
12. <u>REMOTE INDICATION OUTPUTS:</u>	
Outputs	: Fire Relay Contacts (230 V 2A contact).

MOUNTING DETAIL



RE - 150 / 700	L	H	D H	D R	A	B	C	D	E
2&4 ZONE	350	300	80	20	290	235	31	30	36
6&8 ZONE	400	300	80	20	340	235	31	30	36
10&12 ZONE	425	325	80	20	365	260	31	30	36

Zone -	-	RS 485 A
Zone +	+	O/P B
Zone -	-	Zone (n)
Zone +	+	(n+1)

Zone 3	-	Zone 3	-
Zone 2	+	Zone 2	-
Zone 1	-	Zone 1	+
RS 485	A	24 V	-
O/P	B	Scanner	+

24 V	-	24 V	-
Scanner	+	Scanner	+
Comm.	NC	Comm.	NC
Fault	NO	Fault	NO
Relay	CO	Relay	CO
Fire	NC	Fire	NC
Relay 2	NO	Relay 2	NO
Fire	CO	Fire	CO
Relay 1	NO	Relay 1	NO
	CO		CO
24 V	-	24 V	-
D . C	+	D . C	+
Batt. IP	-	Batt. IP	-
24 V	+	24 V	+
		P	P
230 V	+	230 V	+
A . C		A . C	
E		E	

TERMINAL DETAILS UPTO 8 ZONE

Zone -	-	24 V	-
Zone +	+	Scanner	+
Zone -	-	Comm.	NC
Zone +	+	NO	NO
Zone -	-	CO	CO
RS 485	A	Fault	NC
O/P	B	Relay	NO

24 V	-	24 V	-
Scanner	+	Scanner	+
Comm.	NC	Comm.	NC
Fault	NO	Fault	NO
Relay	CO	Relay	CO
Fire	NC	Fire	NC
Relay 2	NO	Relay 2	NO
Fire	CO	Fire	CO
Relay 1	NO	Relay 1	NO
	CO		CO
24 V	-	24 V	-
D . C	+	D . C	+
Batt. IP	-	Batt. IP	-
24 V	+	24 V	+
		P	P
230 V	+	230 V	+
A . C		A . C	
E		E	

TERMINAL DETAILS ABOVE 8 ZONE

FEATURES:

- ☛ Fully complies with IS 2189: 1988.
- ☛ Rugged CRCA sheet with powder coated finish.
- ☛ 20 X 4 LCD Dot Matrix Display.
- ☛ 12 - 128 Class B initiating device circuit (IDC / Zone Circuits).
- ☛ One Class B Notification Appliance Circuits (NAC / Sounder).
- ☛ Low Battery / Warning audio / Visual Display.
- ☛ Operates on 220v, AC Mains power supply.
- ☛ Standby (battery) back up 24v DC power supply with built in charger
- ☛ Error free Fire / Fault status in unambiguous colored LED indication.
- ☛ Main, Standby status with visual/audible indication.
- ☛ Battery Low visual warning with audible tone.
- ☛ Event storage with RTC.
- ☛ Form C relays for Fire and fault.
- ☛ RS 485 and RS 232 Communication Facility.
- ☛ TCP/IP (Optional) facility.
- ☛ Walk Test facility.
- ☛ Zone Isolation facility with loop voltage cut off.
- ☛ Compatible with all types of conventional detectors, Pull Stations and any normally open contact devices.

RE - 700



TECHNICAL DATA

1. Power Supply:
AC Input Supply : 230 V AC, 50Hz
DC Input Supply : 24 V DC
2. Operating Conditions : -10 to 45 °C, 95 % RH Max.
3. Operating Voltage : 24 V DC
4. Normal Loop Voltage : 20.7 DC
5. Open Threshold Current : 4.2 mA
6. Short Circuit Threshold Current : 40 mA
7. Stand by Threshold Current
(EOL Current + detector's Current) : 8.2 mA
8. Alarm Current : 20 - 35 mA
9. Quiescent Current : 50mA Plus 4.2mA per Zone
10. Colour of the Panel : Broken White (Red, Red Texture - Optional)
11. **ALARM OUTPUT:**
Standard Common Output : 0.2A per Zone.
12. **REMOTE INDICATION OUTPUTS:**
Outputs : Fire,Fault Relay Contacts (230 V 2A contact).

RE - 2504



RE - 2508

FEATURES

- ◎ Fully complies with UL -864 and NFPA-72.
- ◎ Rugged CRCA sheet with powder coated finish.
- ◎ Operates on 220v 50Hz, AC Mains power supply.4/8 Class B initiating device circuit (IDC).
 - All zones accept smoke detectors and any normally open contact device.
 - Any Zone can be configured as Alarm or supervisory Zone.
- ◎ 2 Class B Notification Appliance Circuits (NAC).
- ◎ Standby (battery) backup 24v DC power supply with built in charger.
- ◎ Error free Fire / Fault status in unambiguous colored LED indication.
- ◎ Main, Standby status audible and visual indication.
- ◎ Battery Low visual warning with audible tone.
- ◎ Form-C relays for fire, fault and supervisory.
- ◎ Zone Isolation facility with loop voltage cut off.
- ◎ Ground fault annunciation facility at 0 ohms.
- ◎ All field wiring circuits are Power limited except 220v A.C. and Battery.
- ◎ All field wiring circuits are supervised.
- ◎ AC Low voltage cutoff.
- ◎ Programmable NAC's.
- ◎ Programmable IDC's.
- “ ◎ Programmable AC loss delay.

Primary Power CN1 (RE-SMPS-4A-R1)

220VAC ± 10%, 50 Hz, 2.5Amps.

Standby Power CN10

24v D.C (2 Nos of 12v, 12Ah Sealed Lead acid battery).

Operating Temperature

Operating Temperature 15 - 35° C/60-95° F.

Relative Humidity 93 ± 2% RH (non-condensing) at 32 ±2° C/90 ±3° F.

Charging Circuit

Charging Voltage 28.4V, ±0.2V

Charging Current 750mA (Max.).

Initiating Device Circuits CN 8

All zones are Class B Style B/C operation (Programmable).

Normal Operating Voltage: 14 - 21 VDC.

Alarm Current: 15 - 30mA.

Short Circuit Current: 40mA Maximum.

Loop resistance: 100 ohms Maximum.

End-Of-Line Resistor: 3K9, 1/2watt

Standby Current: 7mA (2mA for Detectors)

Notification Appliance Circuits CN5 and Cn6

Class B Style - Y wiring

Operating Nominal Voltage: 24VDC Special Application

Current for all NACs: 1.2Amps (0.6A per circuit)

Current Limit: CN5 and CN6 via Thermal Fuse

Line Drop: 1.8V

End-Of-Line Resistor: 3K9, 1/2watt

Note: For compatible devices refer Manual(CD 01).

Resettable D.C. Power CN7

Operating Voltage: Supervised 24VDC regulated, 300mA Max. (for 4 wire smoke detector)

Common Three Form C Relays CN2, CN3, CN4

Relay Contact Rating: 2Amps @ 30 VDC, 2Amps @ 30VAC.

Power Factor: 0.6

Ordering Information

RE 2504 W/R - W- White Colour; R - Red Colour.

RE 2508 W/R - W- White Colour; R - Red Colour.

Dimension of the panel : 440 x 340 x 120 mm (length x height x width)

RE - RP

FEATURES:

- CRCA sheet with powder coated finish.
- Operates on 24 VDC.
- Fire / Fault status in unambiguous coloured LED indication.
- System on indications
- Silence facility.
- Lamp test facility.
- RS485 for Repeater Communication (Use shielded or twisted wire (CAT5E or CAT6)).



TECHNICAL DATA

1. Operating Voltage	:	24VDC
2. Operating Conditions	:	-10 to 45 °C, 95 % RH Max.
3. Operating Current	:	20 - 35 mA
4. Quiescent Current	:	50mA Plus 0.125mA per Zone
5. Colour of the Panel	:	Broken White (Red, Red Texture - Optional)

ALARM OUTPUT:

Standard Common Output	:	0.2Amps.
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